

NON-INVASIVE PRENATAL TEST: GUIDELINES FOR BLOOD SAMPLING

In order to perform NIPT, the use of special blood collection tubes is vital. These blood tubes contain a reagent optimized to limit maternal cell lysis and consequently limit contamination of the sample by maternal cellular DNA.

Only the following blood collection tubes are suitable for NIPT analysis:

	STRECK	cfDNA
Company	Streck (USA)	Roche Diagnostics
Color	Camouflage pattern	White cap
Material	Glass	Plastic
Volume of maternal blood	10 mL	8.5 mL
Temperature while awaiting transport	4°C (refrigerator)	Room temperature
Temperature during transport	Room temperature	Room temperature
Delivery in the laboratory of UZ Leuven	Within 72 hours	Within 72 hours



From your next order of blood tubes for NIPT analysis onwards, you will receive the cfDNA tubes with the white cap (Roche Diagnostics). These are plastic tubes, so they can no longer break during the transport or during processing in the laboratory. As opposed to Streck tubes, they can no longer be cooled while awaiting the transport. The other guidelines for blood sampling remain unchanged.

Please indicate on the new request form which type of tube was used for blood sampling. Both Streck as well as cfDNA tubes will be accepted for NIPT analysis.

Please don't hesitate to contact us in case you have further questions: cme.nipt@uzleuven.be

More information about NIPT can be found on our website: www.uzleuven.be/nipt